

**CHELMSFORD
RURAL DISTRICT COUNCIL**



Annual Reports

OF
MEDICAL OFFICER of HEALTH

AND
CHIEF PUBLIC HEALTH INSPECTOR

FOR
1969

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RURAL DISTRICT COUNCIL**

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STAFF

Clerk of the Rural District Council: C. A. Bohannon.
Deputy Clerk of the Rural District Council: F. R. Jones,
Solicitor.

PUBLIC HEALTH DEPARTMENT

Medical Officer of Health: B. V. Hassan, M.B., B.Ch., B.A.O., D.P.H.
(also Medical Officer of Health to Borough of Maldon and Maldon Port
Health Authority, Urban District of Burnham-on-Crouch, Rural District
of Maldon, and Assistant County Medical Officer, Essex County
Council).

Clerk to Medical Officer of Health:

Mrs. J. Rees

CHIEF HEALTH INSPECTOR'S DEPARTMENT

Chief Health Inspector and Director of Public Cleansing:

T. H. Bartrop, F.R.S.H., F.A.P.H.I.

Deputy Chief Health Inspector:

L. G. Smart, F.R.S.H., M.A.P.H.I., A.M.I.P.H.E.

Health Inspectors:

R. F. S. Musgrave, M.A.P.H.I. (Senior Assistant)

F. B. Brewster

G. D. Clare, M.A.P.H.I.

M. F. Lee, M.A.P.H.I.

R. A. Gates, M.A.P.H.I.

R. Raymond (From March, 1969)

Meat Inspectors:

A. Philip

I. Lovie

Public Cleansing Inspector:

E. J. Moore

Clerical Staff

R. H. Hawkes

Mrs. A. B. Fleming

Miss C. Upshall

W. Kentish

PUBLIC HEALTH COMMITTEE

The Public Health Committee consists of the Chairman and Vice Chairman of the Council and sixteen other members.

Chairman of Public Health Committee:

Mrs. J. C. Norton

Vice-Chairman of Public Health Committee:

Dr. P. T. Spencer-Phillips.

Members of Public Health Committee:

Mr. D. Ashford

Mr. D. Chennells

Mrs. M. E. Clarke

Mr. H. G. Copsey

Mr. C. E. Cottey (Vice-Chairman of the Council)

Mr. A. A. E. Hammond

Mr. W. H. Orr (Chairman of the Council)

Mrs. J. E. Phillips

Mr. H. S. H. Preston

Mr. G. T. H. Richards

Mr. D. H. Shinn

The Rev. W. J. T. Smith

Mr. E. J. Speakman

Mr. F. B. Speakman

Mrs. J. M. K. Vigne

One Vacancy

To the Chairman & Members of the Chelmsford Rural District Council.

Mr. Chairman, Ladies and Gentlemen,

I take pleasure in presenting the Annual Report of the rural district for the year 1969 compiled in accordance with the requirements of the Public Health Officers Regulations 1959 and Circular 1/70 of the Department of Health and Social Security.

It is satisfactory to be able to inform you that no serious outbreak of infectious disease occurred in the district during the year and that the general state of the public health is of a high standard.

The number of births during the year increased but only in proportion to the population increase and the adjusted birth rate remained almost exactly the same as in 1968 at 18.4 per 1000 population. This is, however, greater than the national rate of 16.3. Still births totalled 15, one less than last year, and the rate per 1000 total births is similar to the rate for England and Wales.

The total number of deaths was slightly less than in 1968 and with the increased population this gave a reduced crude death rate of 10.2 per 1000 population. When the rate was adjusted to take into account the differing sex and age structure in the district as compared to the distribution in England and Wales the result was a figure of 9.2 per 1000 population and the comparable national rate was 11.9. The infant mortality rate is also lower than last year (7 per 1000 live births compared to 9 in 1968) and in very much less than half the national rate. It is once again gratifying to report that no women died as the result of pregnancy or childbirth.

The causes of death by international classification and divided according to sex are shown in a separate table. From this it will be seen that almost half of the deaths (48%) were caused by diseases of the heart and circulation, including strokes. Cancers accounted for 144 deaths or 22% of the total, and of these over one fifth involved the lung or bronchus. Accidental deaths totalled 21, ten of which involved a motor vehicle. There were three suicides. Just over half of the deaths were of persons aged 75 years or over.

In a short appendix to the statistics for the year 1969 I give a few figures from the 1919 annual report of the Medical Officer of Health of Chelmsford Rural District Council, John F. Macdonald M.D., Ch.B., D.P.H., Barrister-at-Law. Here, I would like to quote a few paragraphs of my illustrious predecessor's introduction to that report of 50 years ago which appear to me to be peculiarly relevant to conditions today

"As you are aware, the formation of the Ministry of Health is the outstanding step in the public health activities that took place during the year.

This centralization of the public health services of Government Departments under the Ministry of Health must of

necessity be followed by a reconstruction of the public health administration locally.

The success of the public health services depends even more upon local than upon central administration and it is most important that the new local health unit should be decided upon only after the most careful consideration.

What should be the size of the new local health unit? Without definitely stating area and population, two dangers present themselves, namely an area so small that proper services could not properly be provided, the other an area so large that local representatives would lose real control and the services although not in name, would be bureaucratic in practice.

At present what should constitute the local health unit is under consideration and the District Council holds a watching brief on behalf of the population for whose health they are at the moment responsible and it behoves the Council to see, as far as they are able, that the welfare of the community does not suffer by the change".

I would like to record my thanks to all the staff of the Public Health Department and all the officers of the Council for their help during the year; and to my personal secretary for her assistance in compiling this report.

I am, Mr. Chairman, Ladies & Gentlemen

Yours faithfully,

B. V. HASSAN, M.B., B.Ch., B.A.O., D.P.H.
MEDICAL OFFICER OF HEALTH

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

(For comparison, figures in brackets refer to 1968)

General Data

| | | |
|--|------------|--------------|
| Area (in acres) | 86,506 | (86,506) |
| No. of Houses | 22,673 | (21,940) |
| No. of Houses per acre (average) . . . | 0.26 | (0.22) |
| No. of persons per house (average) . . | 2.85 | (2.86) |
| Rateable value | £2,288,518 | (£2,135,757) |
| Product of a penny rate | £9,108 | (£8,505) |

Population

| | | |
|--|--------|----------|
| Resident Population (Reg. Gen's . . . mid-year estimate) | 64,730 | (62,920) |
| Increase over previous year | 1,810 | (1,990) |
| Percentage increase | 2.88 | (3.2) |
| Natural increase (excess of births over deaths) | 557 | (518) |
| Increase due to immigration | 1,472 | (1,472) |

BIRTHS

| (a) Live births | M | F |
|-----------------|------------------|------------------|
| Legitimate | 599 (525) | 561 (605) |
| Illegitimate | 33 (23) | 24 (26) |
| Total | <u>632 (548)</u> | <u>585 (631)</u> |

| | |
|--|--------------|
| Crude birth rate per 1,000 population | 18.8 (18.7) |
| Adjusted birth rate | 18.4 (18.3) |
| Birth rate - England and Wales | 16.3 (16.9) |
| Ratio of adjusted birth rate to National Rate | 1.13 (1.08) |
| Illegitimate live births -% of total live births | 4.7 (4.2) |

(b) Still births

| | | |
|--------------|----------------|----------------|
| Legitimate | 12 (5) | 3 (10) |
| Illegitimate | - (-) | - (1) |
| Total | <u>12 (5)</u> | <u>3 (11)</u> |

| | |
|---|----------|
| Still birth rate per 1,000 total births | 12 (13) |
| " " " " " " England and Wales | 13 (14) |

(c) Total births (Live and Still)

| | | |
|--------------|------------------|------------------|
| Legitimate | 611 (530) | 564 (615) |
| Illegitimate | 33 (23) | 24 (27) |
| Total | <u>644 (553)</u> | <u>588 (642)</u> |

DEATHS

| | | | | | |
|-----|--|-----------------|-------|-----|-------|
| (a) | All ages | M | | F | |
| | | 325 | (314) | 335 | (363) |
| | | Total 660 (677) | | | |
| | Crude death rate per 1,000 population | .10.2 (10.8) | | | |
| | Adjusted death rate per 1,000 population | 9.2 (9.5) | | | |
| | England and Wales per 1,000 population | .11.9 (11.9) | | | |
| | Ratio of adjusted death rate to National Rate | .77 (0.80) | | | |
| (b) | Deaths of Infants | | | | |
| | (1) Under one year of age (Infants deaths) | | | | |
| | Legitimate | 4 | (6) | 4 | (5) |
| | Illegitimate | 1 | (-) | - | (-) |
| | Total | 5 | (6) | 4 | (5) |
| | Infant mortality rate per 1,000 live births | 7 (9) | | | |
| | " " " " " " England and Wales | 18 (18) | | | |
| | (2) Under four weeks of age (Neonatal deaths) | | | | |
| | Legitimate | 2 | (5) | 2 | (4) |
| | Illegitimate | 1 | (-) | - | (-) |
| | Total | 3 | (5) | 2 | (4) |
| | Neonatal mortality rate per 1,000 live births | .4 (7.6) | | | |
| | " " " " " " England and Wales | 12 (12.3) | | | |
| | (3) Under one week of age (Early neonatal deaths) | | | | |
| | Legitimate | 1 | (5) | 2 | (3) |
| | Illegitimate | 1 | (-) | - | (-) |
| | Total | 2 | (5) | 2 | (3) |
| | Early Neonatal mortality rate per 1,000 live births | .3 (6.8) | | | |
| | " " " " " " England and Wales | 10 (10.5) | | | |
| | (4) Perinatal mortality (Stillbirths and deaths under one week of age combined) | | | | |
| | Perinatal mortality rate per 1,000 live and still births | 15 (20) | | | |
| | " " " " " " England and Wales | 23 (25) | | | |
| (c) | Maternal mortality (deaths of women ascribed to pregnancy or childbirth, including abortion) | | | | |
| | Maternal mortality rate per 1,000 live and still births | - (-) | | | |
| | " " " " " " England and Wales | 0.19 (0.24) | | | |

CAUSES OF DEATH

| | Male | Female | Total |
|--|-----------|-----------|-----------|
| B.4 Enteritis and other Diarrhoeal Diseases . . | 1 (-) | - (-) | 1 (-) |
| B.5 Tuberculosis of Respiratory System | - (1) | 1 (-) | 1 (1) |
| B.6 Other Tuberculosis, Incl. Late Effects . . | 1 (-) | - (-) | 1 (-) |
| B.18 Other Infective and Parasitic Diseases . . | - (-) | 1 (1) | 1 (1) |
| B.19 Malignant Neoplasms, Buccal Cavity, etc. | 3 (-) | - (-) | 3 (-) |
| B.19(2) Malignant Neoplasms, Oesophagus. | 2 (-) | 1 (-) | 3 (-) |
| B.19(3) Malignant Neoplasms, Stomach. | 5 (11) | 7 (10) | 12 (21) |
| B.19(4) Malignant Neoplasms, Intestine. | 15 (-) | 6 (-) | 21 (-) |
| B.19(5) Malignant Neoplasms, Larynx | 1 (-) | - (-) | 1 (-) |
| B.19(6) Malignant Neoplasms, Lung, Bronchus . . | 31 (17) | 1 (2) | 32 (19) |
| B.19(7) Malignant Neoplasms, Breast | - (-) | 18 (12) | 18 (12) |
| B.19(8) Malignant Neoplasms, Uterus | - (-) | 3 (5) | 3 (5) |
| B.19(9) Malignant Neoplasms, Prostate | 9 (-) | - (-) | 9 (-) |
| B.19(10) Leukaemia | 2 (-) | 3 (2) | 5 (2) |
| B.19(11) Other Malignant Neoplasms. | 13 (34) | 22 (30) | 35 (64) |
| B.20 Other Benign and Unspecified Neoplasms | - (-) | 2 (5) | 2 (5) |
| B.21 Diabets Mellitus | 2 (2) | 6 (3) | 8 (5) |
| B.23 Anaemias | - (-) | 1 (1) | 1 (1) |
| B.46(3) Mental Disorders | 4 (-) | 7 (3) | 11 (3) |
| B.46(4) Other Diseases of Nervous Systems etc. . | 4 (5) | 4 (5) | 8 (10) |
| B.26 Chronic Rheumatic Heart Disease | - (2) | 5 (3) | 5 (5) |
| B.27 Hypertensive Disease. | 4 (4) | 8 (9) | 12 (13) |
| B.28 Ischaemic Heart Disease | 85 (91) | 69 (76) | 154 (167) |
| B.29 Other Forms of Heart Disease | 11 (9) | 13 (26) | 24 (35) |
| B.30 Cerebrovascular Disease. | 27 (29) | 65 (58) | 92(87) |
| B.46(5) Other Diseases of Circulatory System . . | 11 (13) | 17 (18) | 28 (31) |
| B.31 Influenza | 2 (1) | - (3) | 2 (4) |
| B.32 Pneumonia | 33 (34) | 39 (46) | 72 (80) |
| B.33(1) Bronchitis and Emphysema | 17 (17) | 4 (4) | 21 (21) |
| B.33(2) Asthma | - (2) | 1 (0) | 1 (2) |
| B.46(6) Other Diseases of Respiratory System . . | 5 (3) | 2 (5) | 7 (8) |
| B.34 Peptic Ulcer | 3 (1) | 2 (2) | 5 (3) |
| B.35 Appendicitis | 1 (2) | - (-) | 1 (2) |
| B.36 Intestinal Obstruction and Hernia | - (1) | 1 (4) | 1 (5) |
| B.46(7) Other Diseases of Digestive System | 3 (2) | 5 (3) | 8 (5) |
| B.38 Nephritis and Nephrosis | 1 (-) | - (2) | 1 (2) |
| B.39 Hyperplasia of Prostate | 7 (5) | - (-) | 7 (5) |
| B.46(8) Other Diseases, Genito-Urinary System | 1 (2) | 2 (3) | 3 (5) |
| B.46(10) Diseases of Musculo-Skeletal System . . . | - (3) | 2 (3) | 2 (6) |
| B.42 Congenital Anomalies | 3 (2) | 2 (4) | 5 (6) |
| B.43 Birth Injury, Difficult Labour etc. | 1 (3) | 1 (1) | 2 (4) |
| B.44 Other Causes of Perinatal Mortality | 1 (1) | 1 (-) | 2 (1) |
| B.45 Symptoms and Ill Defined Conditions . . . | 2 (1) | 3 (3) | 5 (4) |
| B.E.47 Motor Vehicle Accidents | 8 (5) | 2 (2) | 10 (7) |
| B.E.48 All Other Accidents | 6 (7) | 5 (4) | 11 (11) |
| B.E.49 Suicide and Self Inflicted Injuries | - (1) | 3 (-) | 3 (1) |
| Total All Causes | 325 (314) | 335 (363) | 660 (677) |

COMMUNICABLE DISEASES

| | Notifications According To Age Groups | | | | | | | Incidence Rate per 10,000 Population | |
|----------------------------|---------------------------------------|-----|-----|-------|-------|-----------|-------|--------------------------------------|-----------------|
| | Under 1 | 1-4 | 5-9 | 10-14 | 15-24 | 25 & over | Total | Chelmsford Rural District | England & Wales |
| Measles | 11 | 72 | 45 | 2 | 4 | - | 134 | 21.7 | 29.1 |
| Dysentery | - | 3 | - | 1 | 1 | 4 | 9 | 1.4 | 4.5 |
| Scarlet Fever | - | 11 | 9 | 2 | 2 | 1 | 25 | 4.2 | 3.3 |
| Whooping Cough | 1 | 7 | 1 | - | - | - | 9 | 1.4 | 1.0 |
| Infective Jaundice | - | 1 | 1 | 1 | 1 | 2 | 6 | 1.2 | 4.8 |
| Tuberculosis (Respiratory) | - | - | - | 1 | - | 4 | 5 | 0.6 | 2.0 |
| Polio-myelitis | - | - | - | - | - | - | - | - | 0.002 |
| Paratyphoid Fever | - | - | - | - | - | 1 | 1 | 0.2 | 0.04 |
| Typhoid Fever | - | - | - | - | - | - | - | - | 0.03 |
| Food Poisoning | - | - | - | 1 | - | 2 | 3 | 0.5 | 1.5 |
| Malaria | - | - | - | - | - | 1 | 1 | 0.2 | N.A. |

APPENDIX

Extracts from Annual Report of the Medical Officer of Health of Chelmsford Rural District for 1919.
(Figures in brackets refer to 1969).

| | | |
|--|--------------|--------------|
| Area | 82,772 acres | (86,506) |
| Population | 23,185 | (64,730) |
| Rateable value | £166,813 | (£2,288,518) |
| Live births | 396 | (1,217) |
| Birth rate (crude) per 1,000 population | 17.0 | (18.8) |
| Deaths | 286 | (660) |
| Death rate (crude) per 1,000 population | 12.8 | (10.2) |
| Deaths of infants under 1 year | 23 | (9) |
| Infant mortality rate per 1,000 live births | 58 | (7) |
| Infectious diseases (no. of cases) | | |
| Diphtheria | 32 | (0) |
| Pulmonary Tuberculosis | 18 | (4) |

ESSEX WATER COMPANY

*Analyses of purified water at Langham and Layer
and Hanningfield 1969*

(PARTS PER MILLION)

| | Langham Works | Layer-de-la-Haye Works | Hanningfield Works |
|---|---------------------------------|---------------------------------|----------------------------------|
| | (Average of Weekly Analyses) | (Average of Weekly Analyses) | (Average of Monthly Analyses) |
| Total Dissolved Solids | 550 | 418 | 422 |
| pH value | 7.8 | 7.7 | 9.1 |
| Residual Chlorine, C1. | 0.43 | 0.47 | 0.60 |
| Chlorides, C1. | 58 | 54 | 64 |
| Nitrate Nitrogen | 5.8 | 1.2 | 2.6 |
| Nitrite Nitrogen | 0.007 | 0.005 | 0.027 |
| Hardness, non-carbonate . . . | 131 | 126 | 84 |
| Hardness carbonate | 250 | 153 | 54 |
| Hardness total | 381 | 279 | 138 |
| Free Ammonia (NH ₃) | 0.19 | 0.18 | 0.21 |
| Albuminoid Nitrogen | 0.12 | 0.19 | 0.21 |
| Oxygen absorbed (4 hours/27°C) | 1.16, | 1.38 | 1.35 |
| Iron (Fe) | 0.02 | 0.01 | 0.01 |

BACTERIOLOGICAL EXAMINATIONS.

| | | | |
|--|-------|-------|-------|
| No. of Tests during year . . . | 314 | 313 | 12 |
| % of samples which were free from Bact. Coli (Type 1) in 100 ml. : | 100.0 | 100.0 | 100.0 |
| % of samples which were free from Coliform bacteria in 100 ml. | 100.0 | 99.4 | 100.0 |
| Maximum count of coliform bacteria per 100 ml. | - | 1 | - |

- NOTE:**
1. Hanningfield data refer only to analyses made by South Essex Waterworks Company.
 2. Figures for iron content at Langham and Layer-de-la-Haye refer only to monthly tests.

The following information on water supply and sewerage has been kindly provided by the Engineer and Surveyor.

WATER SUPPLY

The following is a summary of the water supplies from the Council's mains for the year ended 31st March 1970.

| | |
|---|---------------------------------|
| Total amount of water supplied . . . | 101,8077 ⁰⁰⁰ gallons |
| Total length of water mains in use . . | 326.87 miles |
| Total number of supplies afforded . . | 22,291 |
| New supplies afforded | 835 |
| New mains laid | 3.71 miles |
| Old mains renewed | 1.201 miles |
| Number of repairs to mains and services | 429 |

It was not necessary to cart any water to individual properties during the year.

The Southend Waterworks Company supplied water to the parish of Mountnessing and parts of the parishes of South Hanningfield and Woodham Ferrers.

A bulk supply of water is provided by the Council to the Braintree Rural District Council to serve properties in their District which are in the Great Leighs and Hatfield Peverel localities.

The water supplied from the South Essex Waterworks Company's trunk mains is satisfactory in both quality and quantity.

The supply is piped to all parts of the District and bacteriological and chemical analyses are taken by the South Essex Waterworks Company at their treatment works. Regular samples for bacteriological examination are also taken throughout the District by the Public Health Inspectors.

The water supplied has had no action on lead piping. There has been no form of contamination that warrants report.

| Parish | No. of Houses supplied direct | No. of Houses supplied by standpipe | Population supplied direct | Population supplied by standpipe |
|-----------------------------------|--|---|----------------------------------|---|
| Great Baddow | 4,311 | - | 12,343 | - |
| Galleywood | 1,559 | - | 4,449 | - |
| Little Baddow | 494 | - | 1,409 | - |
| Boreham | 840 | - | 2,538 | - |
| Broomfield | 1,188 | - | 3,449 | - |
| Chignal | 122 | 3 | 348 | 9 |
| Danbury | 1,519 | - | 4,385 | - |
| Good Easter | 163 | - | 465 | - |
| East Hanningfield | 230 | - | 696 | - |
| South Hanningfield | 123 | - | 369 | - |
| West Hanningfield | 744 | - | 2,122 | - |
| (including caravan sites) | | | | |
| Highwood | 216 | - | 616 | - |
| Ingatestone | 1,674 | - | 4,864 | - |
| Great and Little Leighs | 359 | 3 | 1,023 | 9 |
| Margaretting | 364 | - | 1,038 | - |
| Mashbury | 40 | - | 114 | - |
| Pleshey | 121 | - | 345 | - |
| Rettendon | 467 | 4 | 1,331 | 12 |
| Roxwell | 413 | - | 1,178 | - |
| Runwell | 1,200 | 4 | 4,649 | 12 |
| Sandon | 381 | - | 1,206 | - |
| Springfield | 205 | 3 | 584 | 9 |
| Stock | 613 | - | 1,798 | - |
| Great Waltham | 723 | - | 2,062 | - |
| Little Waltham | 487 | - | 1,389 | - |
| Woodham Ferrers | 1,318 | 10 | 3,784 | 30 |
| Writtle | 1,905 | - | 5,635 | - |
| | 21,779 | 27 | 64,189 | 81 |

Total Population supplied in District - 64,270

SEWERAGE

Public sewers are provided in the more populous areas of the following parishes:-

| | |
|---------------------------|---------------------|
| Great Baddow | Pleshey |
| Little Baddow | Rettendon (part) |
| Boreham | Roxwell |
| Broomfield | Runwell |
| Danbury | Sandon |
| Good Easter | Great Waltham |
| South Hanningfield | Little Waltham |
| (Ramsden Heath area) | Woodham Ferrers and |
| Ingatestone and Fryerning | Bicknacre |
| Mountnessing | Writtle |
| Margaretting | |

Schemes are in progress for sewerage the Parishes of Highwood and Stock and it is hoped these will be in operation in April 1972.

Schemes are being prepared for the Parishes of Great and Little Leighs, the Ford End and Howe Street area of Great Waltham, East Hanningfield, Rettendon Bell area and West Hanningfield.

**NUMBER OF DWELLINGS AND ESTIMATED
POPULATION IN EACH PARISH AT
31st DECEMBER, 1969**

| Parish | Number of Dwellings | Estimated Population |
|---------------------------------|------------------------|-------------------------|
| Great Baddow | 5,772 | 16,511 |
| Little Baddow | 493 | 1,406 |
| Boreham | 835 | 2,712 |
| Broomfield | 1,181 | 3,763 |
| Chigial | 125 | 357 |
| Danbury | 1,494 | 4,314 |
| Good Easter | 163 | 465 |
| East Hanningfield | 230 | 696 |
| South Hanningfield | 711 | 2,123 |
| West Hanningfield | 744 | 2,122 |
| Highwood | 216 | 616 |
| Ingatestone and Fryerning | 1,669 | 4,850 |
| Great and Little Leighs | 361 | 1,030 |
| Margaretting | 364 | 1,038 |
| Mashbury | 40 | 114 |
| Mountnessing | 492 | 1,403 |
| Pleshey | 121 | 345 |
| Rettendon | 471 | 1,343 |
| Roxwell | 413 | 1,178 |
| Runwell | 1,200 | 4,650 |
| Sandon | 381 | 1,206 |
| Springfield | 196 | 559 |
| Stock | 612 | 1,795 |
| Great Waltham | 722 | 2,654 |
| Little Waltham | 487 | 1,389 |
| Woodham Ferrers | 1,279 | 3,675 |
| Writtle | 1,901 | 5,623 |
| TOTAL | 22,673 | 67,342 |

ANNUAL REPORT

of
Chief Health Inspector ,
Director of Public Cleansing
and Petroleum Inspector

To the Chairman and Members of the Chelmsford Rural District
Council.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting my Annual Report for the year
1969.

Nothing seems to halt the rapid development of the District - and with this development the environmental health services endeavoured to keep pace. Some idea of the development may be gauged from the fact that the equivalent of a parish the size of Boreham is being added every year.

The two services that absorb most of our time and resources - meat inspection and public cleansing - continued their usual pattern throughout the year and the efforts of the staff concerned in maintaining these services are commended.

I record my appreciation and thanks to the Chairman and Members of the Council and to the Chairman and Members of the Public Health Committee for the continued support and encouragement to me and to the work of the department. To Dr. Hassan, I express my thanks for his help and guidance at all times and to Mr. Smart, my Deputy, and to all other members of the staff my appreciation is due for their work in such a wide range of duties.

I am,

Mr. Chairman, Ladies and Gentlemen,
Your obedient Servant,

T. H. C. BARTROP.

INSPECTION WORK CARRIED OUT BY THE HEALTH INSPECTORS

The following table gives details of the housing work carried out during the year.

| | | |
|----|---|-----|
| 1. | Inspection of Dwelling-Houses:- | |
| | (1) Number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) | 250 |
| | (2) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | 8 |
| | (3) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation . | 35 |
| 2. | Remedy of defects without service of formal notices:- | |
| | Number of defective dwelling-houses rendered fit in consequence of informal action by the local authority or their officers | 25 |
| 3. | Action under statutory powers:- | |
| | Proceedings under Public Health Acts:- | |
| | (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied . . | 6 |
| | (2) Number of dwelling-houses in which defects were remedied after service of formal notices:- | |
| | By Owners | 12 |
| | Proceedings under Sections 17 and 18 of the Housing Act, 1957:- | |
| | (1) Number of dwelling-houses in respect of which Demolition Orders were made | 1 |
| | (2) Number of houses closed as a result of Closing Orders | 2 |
| | (3) Number of dwelling-houses demolished in pursuance of Demolition Orders:- | |
| | By Owners | 5 |
| | (4) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair | 2 |
| | (5) Number of houses demolished by owners as a result of informal action | Nil |

PARTICULARS OF INSPECTIONS FOR THE YEAR 1969

HOUSING

| | |
|--------------------------------|-----|
| Closet Conversion | 27 |
| Drainage - Non-Sewer | 501 |
| Drainage - Sewer | 169 |
| Sewer Connection | 37 |
| Surface Water | 109 |
| Grants - Standard | 260 |
| Grants - Special | 3 |
| Housing Inspection - | |
| Housing Acts | 125 |
| Housing Inspection - | |
| Public Health Acts | 125 |
| Housing Reinspection - | |
| Housing Acts | 219 |
| Housing Reinspection - | |
| Public Health Acts | 200 |
| Multiple Occupation | 7 |
| Overcrowding | 3 |
| Water-Mains | 160 |
| Water - Non-Mains | 14 |
| Water Closet | 15 |

SPECIAL PREMISES

| | |
|---------------------------------------|-----|
| Factory - Power | 27 |
| Farm/Sanitary Accommodation | 80 |
| Moveable Dwelling | 79 |
| Moveable Dwelling Site | 62 |
| Offices and Shops | 128 |
| Outworker | 8 |
| Piggery | 31 |
| Poultry/Broiler House | 12 |
| School | 3 |
| Swimming Pool - School | 60 |
| Swimming Pool - Private | 8 |
| Waste Food Order | 5 |

FOOD

| | |
|------------------|----|
| Bakery | 13 |
|------------------|----|

| | |
|--------------------------------------|------|
| Butcher | 31 |
| Canteen/Catering | 60 |
| Confectioner/Baker | 10 |
| Fish Shop - Wet | 8 |
| Fish Shop - Fried | 4 |
| Food Factory | 6 |
| Food Poisoning | - |
| Greengrocer | 14 |
| Grocer/General Provisions | 156 |
| Ice Cream Sample | 69 |
| Licensed Premises | 26 |
| Meat Inspection | 1401 |
| Miscellaneous Food Visit | 20 |
| Poultry - Inspection | 8 |
| Poultry - Processing Plant | 12 |
| School Catering | 132 |
| Slaughterhouse Inspection | 16 |
| Unfit Food Surrender | 52 |
| Unsatisfactory Food | 91 |

PUBLIC CLEANSING

| | |
|---------------------------------------|-----|
| Cleansing - Administration | 449 |
| Cleansing - Collection | 236 |
| Cleansing - Disposal | 101 |
| Cleansing - Civic Amenities | 67 |

MISCELLANEOUS

| | |
|---|-----|
| Air Pollution - Clean Air | 115 |
| Air Pollution - National Survey | 64 |
| Infectious Disease | 20 |
| Insect Pests | 74 |
| Keeping Animals | 8 |
| Miscellaneous | 449 |
| Noise | 133 |
| Pests Act | 309 |
| Petroleum | 220 |

Total **6,851**

PARTICULARS OF NOTICES FOR THE YEAR 1969

| | SERVED | | COMPLIED OR CANCELLED | |
|--------------------|-----------|----------|--------------------------|----------|
| | STATUTORY | INFORMAL | STATUTORY | INFORMAL |
| Structural Defects | 1 | 23 | - | 18 |
| Water Closets | 3 | 3 | 10 | 3 |
| House Drainage | 2 | 15 | 5 | 4 |
| Pests | - | 3 | - | 3 |
| Moveable Dwellings | - | 1 | - | - |
| Slaughterhouses | - | 4 | - | - |
| Food Premises | - | 8 | - | 4 |
| Ashbins | - | 6 | - | 3 |
| Miscellaneous | - | 8 | - | 8 |
| | 6 | 71 | 15 | 43 |

PUBLIC HEALTH ACT, 1936

Section 47 (Closet Conversions)

The construction of sewers in areas of older development leads to the necessity of converting various types of closets to water closets and the Council is in these cases able to make grants under section 47 of the Public Health Act, 1936, towards the cost. Alternatively, this work may be included in an application for an Improvement Grant. During the year, ten pail/chemical closets were converted to water closets and connected to the main sewer as a result of action under section 47. These were distributed as follows:-

| | | | |
|------------------|---|--------------------------|---|
| Boreham. | 3 | Woodham Ferrers. | 4 |
| Danbury. | 1 | Sandon. | 2 |

IMPROVEMENT GRANTS UNDER THE HOUSING ACTS

Discretionary Grants continued to be the concern of the Engineer and Surveyor's Department and Standard Grants of this Department.

The following tables give information on the use made of this scheme during the year:-

DISCRETIONARY GRANTS

| | |
|---------------------------------|---------|
| Applications received | 38 |
| Applications approved - | |
| Owner/occupiers | 20 |
| Others | 8 |
| Amount approved | £13,602 |

STANDARD GRANTS

| | |
|--|--------|
| Applications received | 40 |
| Applications approved - | |
| Owner/occupiers | 17 |
| Others | 23 |
| Grant paid | 11 |
| Amount paid | £2,144 |
| Standard amenities provided - | |
| Fixed bath or shower in a bathroom | 8 |
| Wash basin | 8 |
| Hot water supply | 8 |
| Water closet | 8 |
| Food store | 7 |

BAKEHOUSES

The following table shows the number of bakehouses in use at the end of the year:-

| | |
|---------------------------------|---------------------------|
| Great Baddow | Carters (Gt. Baddow) Ltd. |
| Broomfield | G. H. Follett. |
| Ingatestone and Fryerning . . . | E. Warder. |
| | S. Raven. |
| Rettendon | H. and E. Benson. |
| Great Waltham | Bigg Bros. |
| Little Waltham | E. W. Amos, Ltd. |
| Woodham Ferrers | Taylor and Woodland. |

POULTRY INSPECTION

The difficulties of providing a local authority-based inspection service for poultry may be gauged by the fact that the output from one premises alone is of the order of six million birds a year. At these premises, the firm's own inspection and quality control service is checked from time to time, and is considered to be a satisfactory one. The premises were purpose-built and the standard of the equipment is of a high order.

Whilst concentrating our efforts on these large premises, I must express my concern that many small premises, often seasonal in character, do not always attain the necessary high standards of food hygiene. Under existing law, the operators of these premises are not required to notify the local authority of their intention to use such premises.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

The following information is taken from the Annual Report submitted to the Ministry of Labour under section 60 of the Act.

Registrations and General Inspections:

| | No. of premises registered during the year. | No. of registered premises at end of the year. | No. of registered premises receiving a general inspection |
|----------------------------------|---|--|--|
| Offices | 6 | 71 | 19 |
| Retail shops | 12 | 177 | 75 |
| Wholesale shops, warehouses . . | - | 11 | 2 |
| Catering establishments open . . | | | |
| to the public, canteens | - | 34 | 1 |
| Fuel storage depots | - | 1 | - |
| | <hr/> 18 | <hr/> 294 | <hr/> 97 |

The number of visits of all kinds to registered premises was 101.

Analysis of persons employed in registered premises by workplace:

| Class of Workplace | Persons Employed |
|---|------------------|
| Offices | 794 |
| Retail shops | 613 |
| Wholesale departments, warehouses | 82 |
| Catering establishments open to the public | 117 |
| Canteens | 30 |
| Fuel storage depots | 5 |
| | <hr/> 1,641 |

This total is made up of 916 males and 725 females.

Two accidents (non-fatal) were reported and investigated during the year.

AIR POLLUTION

1969 was the fifth full year in which the semi-automatic smoke and sulphur dioxide recording instrument at the Water Tower, Mountnessing, was in operation.

The mean daily recordings for each month of these years is set out below, from which it will be seen that the seasonal pattern of smoke and sulphur dioxide concentrations continues.

Although the concentration of smoke is being kept in check, no real progress appears to have been made in reducing the concentration of sulphur dioxide.

Arithmetic Mean of Daily concentrations in micrograms per cubic metre.

| | Smoke | | | | | Sulphur Dioxide | | | | |
|-----------------|-------|------|------|------|------|-----------------|------|------|------|------|
| | 1965 | 1966 | 1967 | 1968 | 1969 | 1965 | 1966 | 1967 | 1968 | 1969 |
| January | 45 | 53 | 43 | 35 | 30 | 82 | 75 | 101 | 89 | 91 |
| February | 41 | 26 | 36 | 31 | 72 | 52 | 62 | 81 | 78 | 95 |
| March | 37 | 33 | 13 | 17 | 22 | 84 | 86 | 60 | 56 | 53 |
| April | 19 | 17 | 13 | 17 | 11 | 48 | 50 | 44 | 65 | 52 |
| May | 14 | 13 | 10 | 11 | 6 | 45 | 47 | 56 | 47 | 57 |
| June | 10 | 12 | 10 | 9 | 6 | 36 | 47 | 60 | 52 | 51 |
| July | 9 | 10 | 10 | 8 | 7 | 38 | 41 | 70 | 45 | 68 |
| August | 13 | 12 | 10 | 10 | 8 | 41 | 41 | 62 | 43 | 56 |
| September | 24 | 18 | 15 | 12 | 11 | 60 | 50 | 49 | 47 | 49 |
| October | 34 | 21 | 14 | 18 | 24 | 39 | 47 | 56 | 60 | 66 |
| November | 46 | 42 | 33 | 43 | 24 | 56 | 75 | 76 | 50 | 71 |
| December | 59 | 23 | 46 | 25 | 37 | 110 | 91 | 104 | 66 | 95 |
| Year | 29 | 23 | 21 | 20 | 21 | 58 | 59 | 68 | 58 | 67 |

ADMINISTRATION OF THE FACTORIES ACT, 1961

1. INSPECTIONS for the purpose of provisions as to health including inspections made by Health Inspectors.

| | Number on Register | Number of | | |
|---|--------------------|-------------|-----------------|----------------------|
| | | Inspections | Written Notices | Occupiers Prosecuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities | - | - | - | - |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority | 230 | 27 | - | - |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority 9 excluding out-workers' premises) | - | - | - | - |
| TOTAL | 230 | 27 | - | - |

2. CASES IN WHICH DEFECTS WERE FOUND

| Particulars | Number in which defects were found | | | | Number of cases in which prosecutions were instituted |
|---|------------------------------------|----------|----------------------------|-------------------|---|
| | Found | Remedied | Referred to H.M. Inspector | by H.M. Inspector | |
| Want of cleanliness (S.1.) | - | - | - | - | - |
| Overcrowding (S.2) | - | - | - | - | - |
| Unreasonable temperature (S.3) | - | - | - | - | - |
| Inadequate ventilation (S.4) | - | - | - | - | - |
| Ineffective drainage of floors (S.6) | - | - | - | - | - |
| Sanitary Insufficient . . . | - | - | - | - | - |
| Conveniences Unsuitable or defective . . . | - | - | - | - | - |
| (S.7) Not separate for sexes | - | - | - | - | - |
| Other Offences against the Act (not including offences relating to outwork) | - | - | - | - | - |
| TOTAL | - | - | - | - | - |

OUTWORK

| | Section 133 | | | | Section 134 | | |
|-------------------------|---|---|---|---|--------------------|------------------|--|
| | No. of out-workers in August list required by Sect. 133 (1) (c) (2) | No. of cases of default in sending lists to the Council (3) | No. of prosecutions for failure to supply lists (4) | No. of instances of work in some premises (5) | Notices served (6) | Prosecutions (7) | |
| (1) | | | | | | | |
| Basket making | 3 | - | - | - | - | - | |
| Wearing apparel | 25 | - | - | - | - | - | |
| Light engineering | 3 | - | - | - | - | - | |
| Miscellaneous | 3 | - | - | - | - | - | |
| TOTAL | 34 | - | - | - | - | - | |

MEAT INSPECTION

The meat inspection service was again maintained throughout the year and every animal slaughtered in the District for human consumption received a detailed inspection in accordance with the requirements of the Meat Inspection Regulations, 1963. The total number of animals slaughtered and inspected was 111,517 (117,405 in 1968) and the amount of meat and edible offal found diseased, unsound or unfit for human consumption totalled 111 tons 5 cwts. 74lb (105 tons 10 cwts. 74 lb in 1968).

The number of animals inspected and affected with disease, etc., are set out in the following Table I, the figures in brackets relating to the year 1968.

TABLE 1 - Animals inspected and number affected with disease, etc.

| | Cattle excluding Cows | Cows | Calves | Sheep and Lambs | Pigs |
|--|-----------------------------|------------------|--------------|-----------------------|--------------------|
| Number inspected | 4,773 (6,083) | 4,119 (2,019) | 214 (271) | 22,124 (27,289) | 80,287 (81,73) |
| ALL DISEASES EXCEPT TUBERCULOSIS | | | | | |
| Whole carcasses condemned | 2 (3) | 4 (9) | 13 (9) | 22 (16) | 114 (94) |
| Carcasses of which some part or organ was condemned | 1,887 (2,314) | 2,488 (915) | 5 (3) | 6,087 (6,945) | 33,969 (32,636) |
| Percentage of the number inspected affected | 40.0 (38.0) | 60.0 (45.8) | 8.4 (4.4) | 27.5 (25.5) | 42.5 (40.0) |
| TUBERCULOSIS ONLY | | | | | |
| Whole carcasses condemned | - (-) | - (-) | - (-) | - (-) | - (-) |
| Carcasses of which some part or organ was condemned | - (-) | - (-) | - (-) | - (-) | 1,847* (2,384) |
| Percentage of the number inspected affected | 0.0 (0.0) | 0.0 (0.0) | 0.0 (0.0) | 0.0 (0.0) | 2.25* (2.9*) |

*This figure includes references to cases of *Corynebacterium equi*, which is difficult to distinguish from tuberculosis with the resources available.

The amount of tubercular* meat (all from pigs) (8 tons 6 cwts. 28 lb) was approximately one-thirteenth of the total, compared with

one-eighth in 1968, and another most significant and encouraging item to report is that for the second successive year no evidence of tuberculosis in bovines was found. This is a measure of the success of the Bovine Tuberculosis Eradication Scheme started only a few years ago by the Ministry of Agriculture, Fisheries and Food.

No (three in 1968) bovine carcasses were found to be affected with the viable parasite *Cysticercus bovis* which causes the condition commonly known as "measly beef"

All the meat condemned was voluntarily surrendered by those concerned and it was not necessary to resort to any legal action.

The inspection staff have continued to keep detailed records of the amount and reasons for condemnations and I am grateful to them for their care and thoroughness in this matter. The annual survey of the causes for the various condemnations is set out in the following Table II.

TABLE II - Numbers of condemnations and reasons therefor.

CATTLE, INCLUDING COWS

| | No. of whole or parts | | No. of whole or parts |
|--|--------------------------|--|--------------------------|
| HEAD | | SKIRT | |
| Abscesses | 1 | Abscesses | 4 |
| Actinobacillosis/ Actinomycosis | 27 | Blood splashing | 4 |
| Bruising | 1 | Contamination | 38 |
| Contamination | 5 | Cysticercus bovis | 1 |
| HEART | | Peritonitis | 17 |
| Blood splashing | 2 | Xanthosis | 1 |
| Contamination | 2 | SPLEEN | |
| Cysts | 1 | Abscesses | 1 |
| Cysticercus bovis | 10 | Blood splashing | 1 |
| Degeneration | 2 | Congestion | 46 |
| Pericarditis | 23 | Contamination | 2 |
| Xanthosis | 1 | Inflammation | 26 |
| KIDNEY | | Tumours | 2 |
| Abscesses | 13 | TAIL | |
| Cysts | 246 | Abscesses | 1 |
| Hydrophrenosis | 3 | Bruising | 1 |
| Infarcts | 14 | Contamination | 4 |
| Nephritis | 513 | Inflammation | 2 |
| Pyelonephritis | 2 | TONGUE | |
| LIVER | | Abscesses | 4 |
| Abscesses | 397 | Actinobacillosis/ Actinomycosis | 34 |
| Bacterial necrosis | 2 | Contamination | 4 |
| Cirrhosis | 6 | Cysts | 1 |
| Contamination | 4 | Fibrosis | 4 |
| Cysts | 9 | Traumatism | 2 |
| Degeneration | 14 | PARTS OF CARCASSES | |
| Distomatosis | 2,992 | Abscesses | 2 |
| Hepatitis | 4 | Arthritis | 3 |
| Parasites (other) | 4 | Bruising | 11 |
| Peritonitis | 14 | Fat necrosis | 5 |
| Telangiectasis | 718 | Fracture | 1 |
| Tumours | 1 | Oedema | 1 |
| LUNGS | | Peritonitis | 1 |
| Abscesses | 13 | Tumour | 1 |
| Congestion | 204 | CARCASSES AND ALL ORGANS | |
| Contamination | 142 | Abnormal odour | 2 |
| Cysts | 16 | Acetonaemia | 1 |
| Distomatosis | 58 | Emaciation | 2 |
| Emphysema | 119 | Septic peritonitis | 1 |
| Melanosis | 1 | | |
| Pleurisy | 238 | | |
| Pneumonia | 71 | | |

SHEEP AND LAMBS

| | | | |
|-----------------------------|-------|-------------------------|-----|
| HEART | | LUNGS | |
| Blood splashing | 8 | Parasites | 620 |
| Cysticercus ovis | 14 | Pleurisy | 5 |
| KIDNEY | | Pneumonia | 56 |
| Nephritis | 2 | PLUCK | |
| LIVER | | Abscesses | 1 |
| Contamination | 2 | Contamination | 11 |
| Distomatosis | 2,786 | Inflammation | 42 |
| Parasites (other) | 3,664 | Parasites | 36 |

PARTS OF CARCASSES

| | |
|---------------------|---|
| Abscesses | 6 |
| Atrophy | 2 |
| Arthritis | 2 |
| Bruising | 4 |
| Pleurisy | 3 |

CARCASSES AND ALL ORGANS

| | |
|--------------------------|----|
| Abnormal odour | 1 |
| Abscesses | 1 |
| Emaciation | 17 |
| Gangrene | 1 |
| Lymphosarcoma | 1 |
| Oedema | 1 |

CALVES

PARTS OF CARCASSES

| | |
|---------------------|---|
| Abscesses | 2 |
| Fracture | 1 |
| Nephritis | 2 |
| Oedema | 1 |

CARCASSES AND ALL ORGANS

| | |
|------------------------------------|---|
| Acute septic peritonitis | 1 |
| Fevered | 2 |
| Joint Ill | 6 |
| Moribund | 1 |
| Odour | 1 |
| Oedema | 2 |

FLARE

| | |
|-------------------------|-------|
| Abscesses | 31 |
| Contamination | 241 |
| Inflammation | 2,618 |

HEAD AND TONGUE

| | |
|-------------------------|-------|
| Abscesses | 74 |
| Bruising | 2 |
| Contamination | 1 |
| Erysipelas | 2 |
| Tuberculosis | 1,458 |

HEART

| | |
|------------------------|-------|
| Endocarditis | 3 |
| Pericarditis | 1,080 |

KIDNEY

| | |
|---------------------------------|-----|
| Cysts | 750 |
| Hydrophrenosis | 4 |
| Infarcts | 11 |
| Nephritis | 614 |
| Petechial haemorrhage | 6 |
| Pyelonephritis | 2 |

LIVER

| | |
|------------------------|--------|
| Ascarides | 17,504 |
| Cirrhosis | 5,514 |
| Cysts | 6 |
| Degeneration | 2 |

LUNGS

| | |
|-------------------------|-------|
| Congestion | 6,053 |
| Contamination | 27 |
| Pleurisy | 689 |
| Pneumonia | 7,729 |
| Tuberculosis | 1 |

PIGS

MESENTERY

| | |
|------------------------|-------|
| Abscesses | 7 |
| Emphysema | 1 |
| Peritonitis | 2,857 |
| Tuberculosis | 840 |

PLUCK

| | |
|-------------------------|-------|
| Contamination | 81 |
| Cysts | 2 |
| Inflammation | 3,022 |

PARTS OF CARCASSES

| | |
|---------------------------|-------|
| Abscesses | 281 |
| Arthritis | 1,032 |
| Bruising | 82 |
| Contamination | 2 |
| Erysipelas | 3 |
| Malformation | 5 |
| Oedema | 4 |
| Septic pleurisy | 6 |
| Skin rash | 48 |
| Traumatism | 11 |

CARCASSES AND ALL ORGANS

| | |
|---------------------------------|----|
| Emaciation | 11 |
| Fevered | 7 |
| Gangrene | 2 |
| Interstitial myositis | 1 |
| Jaundice | 3 |
| Lymphadenoma | 1 |
| Lymphosarcoma | 2 |
| Moribund | 2 |
| Multiple abscesses | 47 |
| Oedema | 18 |
| Pyæmia | 1 |
| Pyelonephritis | 3 |
| Salmonellosis | 1 |
| Septic arthritis | 1 |
| Septic peritonitis | 9 |
| Septic pleurisy | 1 |
| Septic pneumonia | 1 |
| Uraemia | 3 |

TABLE III - Number of animals killed and inspected:-

| | Cattle excluding | | | Sheep and | | Pigs | Total weight of meat condemned | | |
|----------------|---------------------|-------|--------|--------------|--------|---------|-----------------------------------|------|----------|
| | Cows | Cows | Calves | Lambs | | | Total | tons | cwts.lb. |
| 1955 | 2,096 | 599 | 445 | 5,672 | 10,716 | 19,528 | 11 | 6 | 54 |
| 1956 | 2,482 | 511 | 626 | 6,306 | 13,206 | 23,331 | 10 | 17 | 46 |
| 1957 | 3,187 | 462 | 533 | 9,259 | 18,849 | 32,290 | 13 | 17 | 88 |
| 1958 | 3,313 | 994 | 396 | 16,868 | 31,284 | 52,555 | 17 | 17 | 93 |
| 1959 | 2,785 | 1,543 | 536 | 25,612 | 31,440 | 61,916 | 33 | 5 | 78 |
| 1960 | 4,283 | 1,323 | 1,431 | 19,782 | 38,961 | 65,780 | 24 | 12 | 69 |
| 1961 | 5,946 | 1,132 | 1,008 | 31,793 | 39,487 | 79,366 | 23 | 14 | 36 |
| 1962 | 6,241 | 1,274 | 1,119 | 36,211 | 43,380 | 88,675 | 24 | 8 | 89 |
| 1963 | 6,292 | 1,448 | 744 | 31,314 | 42,749 | 82,547 | 25 | 10 | 78 |
| 1964 | 7,041 | 1,313 | 405 | 37,069 | 63,732 | 110,460 | 64 | 15 | 32 |
| 1965 | 6,733 | 1,054 | 423 | 36,589 | 77,816 | 122,615 | 71 | 5 | 7 |
| 1966 | 7,587 | 1,371 | 600 | 48,665 | 87,807 | 146,030 | 93 | 16 | 20 |
| 1967 | 6,884 | 1,537 | 465 | 35,985 | 78,553 | 123,428 | 89 | 19 | 90 |
| 1968 | 6,083 | 2,019 | 271 | 27,289 | 81,743 | 117,405 | 105 | 10 | 60 |
| 1969 | 4,773 | 4,119 | 214 | 22,124 | 80,827 | 111,517 | 111 | 5 | 74 |

This report shows, in my opinion, that the high standard of this Council's meat inspection service has been maintained and the Council, and the consumer public, may be assured that all meat that goes out of this District is inspected by a qualified inspectorate working with a skill and thoroughness that such an essential public service demands.

Slaughterhouses

J. Copsey and Sons, Ltd., "Rothmans," High Street, Great Baddow.

F. D. Mahoney, Ltd., Ramsden Heath.

Slaughtermen's Licences

Under the Slaughter of Animals Act, 1958, the department is responsible for the issue of licences to and the supervision of slaughtermen practising within the District. In 1969 seventeen licences were issued.

DISEASES OF ANIMALS ACT, 1950 DISEASES OF ANIMALS (WASTE FOODS) ORDER, 1957

This Order prohibits the feeding of unboiled waste foods to certain animals or to poultry and requires, in general, all premises where waste food boiling is carried out to be licensed with the local authority. The Order also contains other controls designed to prevent the spread of foot-and-mouth and other diseases.

There are four licensed boiling plants in this District..

ANIMAL BOARDING ESTABLISHMENT ACT, 1963

This Act provides, with a few exceptions, for the annual licensing of boarding establishments for cats and dogs.

Conditions are attached to each licence and these have regard to the accommodations, control of infection, food and drink, fire precautions, exercising facilities and other allied matters.

The Council has appointed Messrs. Newsholme, Fairhead, Felgate, and Smith, M's.R.C.V.S., as Veterinary Officers. All the premises, prior to and after licensing, are inspected and reported upon by the Veterinary Officers.

At the end of the year, eleven licences were in force, distributed as follows:-

Mr. and Mrs. R. C. Aston, Longmead, Stock Road, Galleywood.

Mrs. J. M. Lee, Springwood Boarding Cattery, Chignal.

Mr. J. H. Bailey, Ladybird Kennels, Roman Road, Ingatestone.

Mr. P. J. Poston, Homefield Kennels, Main Road, Widford (Margaretting parish).

Messrs. P. Blow and T. D. Lockett, Eastfields, Main Road, Margaretting.

Mrs. M. Neave and Miss P. M. Neave, Buckhatch Farm, Rettendon Common, Rettendon.

Mr. and Mrs. G. L. Lindsey, Gayfields, Woodham Road, Battlesbridge, Rettendon.

Mr. and Mrs. I. Frith, Salcombe, Chalk Street, Rettendon.

Mr. R. O. Goodrich and Mrs. R. L. Goodrich, Chelmerton Kennels, Roxwell Road, Roxwell.

Mrs. C. Swift, Greenwoods Farm, Stock.

Mrs. M. Bailey, Fairbridge Kennels, Domsey Lane, Little Waltham.

PUBLIC CLEANSING

Refuse Collection:

The year saw the continued development of the refuse collection service to meet the needs of a rapidly growing District. At the end of the year, approximately 187 premises were receiving a twice-weekly service, 21,500 a weekly service and 1,600 a fortnightly service. The number of individual visits made by the refuse collectors is now of the order of approximately 1,180,000 a year. A relatively small number of complaints were received and most of these arose following the Public Holidays and during the peak holiday season. Attempts to obtain student and other temporary labour during these periods met with little success.

Absences through sickness and other causes are set out in Table I. The increases in the number of men with long-service holiday entitlements and the decrease in the number of men willing to work part of their holidays have also increased our problems during the holiday season.

At the time of national unrest among refuse collectors, those employed by the Council took unofficial strike action and were away from work from the 6th to the 10th October. Emergency arrangements were made to deal with the accumulation of refuse by way of the setting up of points for the temporary dumping of waste for later clearance and the distribution of paper and plastic sacks. Clerks to Parish Councils proved to be most helpful in this direction.

In spite of the need for economy called for by the national economic situation, it was found possible to improve the service in some parishes by substituting a fortnightly service by a weekly one. Table II shows the collection frequencies in the various parishes, from which it can be seen that a weekly service is now in operation in most of the built-up areas.

A house-to-house collection service is not given to properties in a few unmade roads in the parishes of Woodham Ferrers and Runwell, but in these cases collections are made from fenced compounds containing paper sacks on stands.

Although the skip (bin-site) system of collection is in operation generally throughout the District, a paper sack/bin-liner scheme was introduced in the parish of Roxwell on the 27th October on a trial basis. The results of this trial have not yet been evaluated.

Long "carries", inaccessible dustbins on housing estates with attached garages and locked side entrance gates still give rise to difficulties.

The bulk container system continued to expand and at the end of the year one-hundred and two 1¼ cubic yards containers were in use at schools, flats, offices, shops and trade premises. Eighty-nine of these

containers are hired by the Council to the users on an annual charge basis; ten are supplied by the Chelmsford Borough Council for their flats in our District; two have been purchased by Broomfield Hospital and one is in use at Council flats in Galleywood. Three vehicles are adapted to deal with these containers by mechanical loading and a twice-weekly service is maintained.

The demands made upon the special collection service increased considerably during the year and about one-hundred requests each month are received. No charges are made to householders for the collection and disposal of bulky items of unwanted furniture and refuse.

The Incentive Bonus Scheme for the refuse collectors, introduced in 1962, continued to operate. It is evident, however, that a revised work study scheme will shortly be required to accommodate the changing circumstances, particularly with reference to wage rates and new development.

Public Cleansing Depot:

Improvements carried out during the year included Calor gas space-heating to the workshop, high pressure vehicle wash-down equipment, installation of floodlighting to part of the yard area and improvement to the surface water drainage by the installation of a petrol and oil interceptor with connection to the public sewer.

A Wages Productivity Agreement came into operation on the 16th October in respect of the two fitter-mechanics, thus resolving a problem which had given rise to difficulty for some considerable time.

Transport:

The transport for the public cleansing service is set out in the Table on page 38. The fleet was augmented during the year by three 35 cubic yards Shelvoke and Drewry 'Pakamatic' continuous-loading vehicles, and one B.M.C. pick-up van. Two 16/18 cubic yards fore-and-aft tipping vehicles and one 11 cubic yards side loading vehicle were taken out of service and disposed of as scrap.

Salvage:

The salvage bonus scheme continued in operation on a very limited scale. One-third of the proceeds are retained by the Council, the remaining two-thirds being allocated to the workmen.

Refuse Disposal:

The whole of the refuse continued to be disposed of in a worked-out gravel pit owned by the Council off Little Waltham Road, Broomfield. Although controlled tipping procedures were adopted, some difficulties arose from wind-borne paper and light litter. The weight of refuse disposed of can only be estimated, but using an accepted formula a figure of 17,500 tons is obtained.

In addition to this the Council assumed responsibility as from September for the disposal of refuse from the Borough of Chelmsford. This produced a further 5,120 tons. Our costs for this additional work are reimbursed.

The acceptance of refuse from the Borough of Chelmsford has shortened the life of the Council's tip and discussions and negotiations are proceeding as to future policy.

No radioactive waste was disposed of during the year.

Special arrangements were made to dispose of dead dogs, cats and other small animals arising from veterinary surgeons practices in the Borough of Chelmsford and from the R.S.P.C.A.

No road vehicle bodies are allowed to be disposed of in the controlled tip.

The levelling and consolidation of the refuse and the spreading of the covering soil were carried out by the use of two mechanical shovels. The Weatherill L61, purchased in 1963, and the Weatherill L61B, purchased in 1967, both gave good service. These machines are also used for the recovery of broken-down refuse collection vehicles.

Civic Amenities Act, 1967.

The problem of the indiscriminate dumping of refuse and litter on waste land, roadside verges and laybys continues.

The Council helps by providing a free disposal service to householders at the refuse tip, by arranging special collections of bulky and unwanted articles, usually free-of-charge, and by clearing unsightly deposits of rubbish. Parish Councils have been helpful in reporting the existence of these dumps and in some cases arranging for rubbish to be gathered together for easy collection.

Some Parish Councils have co-operated in the scheme, whereby a refuse collection vehicle is stationed in a village on a Saturday morning, local residents using this vehicle as a temporary, mobile dump.

The Department has also continued to undertake on behalf of the Essex County Council the clearance of litter bins on country road laybys and on laybys on the A 12 Trunk Road. The County Council reimburse the cost of this service.

Specially designed warning notices have been erected at several spots where persistent dumping occurs. In some cases areas have been tidied up, filled in and levelled.

A large bulk container has been installed and serviced on an experimental basis at one layby at the request of a Parish Council.

Collection Frequencies

| | |
|-----------------------------------|-------------|
| Great Baddow | Weekly |
| Little Baddow | Weekly |
| Boreham | Weekly |
| Broomfield | Weekly |
| Chignal | Fortnightly |
| Danbury | Weekly |
| Good Easter | |
| (a) Village area | Weekly |
| (b) Remainder of parish | Fortnightly |
| East Hanningfield | Weekly* |
| South Hanningfield | Weekly* |
| West Hanningfield | Weekly |
| Highwood | Weekly |
| Ingatestone & Fryerning | Weekly |
| Great & Little Leighs | Fortnightly |
| Margaretting | |
| (a) Village area | Weekly |
| (b) Remainder of parish | Fortnightly |
| Mashbury | Fortnightly |
| Mountnessing | Weekly* |
| Pleshey | |
| (a) Village area | Weekly |
| (b) Remainder of parish | Fortnightly |
| Rettendon | Weekly |
| Roxwell | Weekly* |
| Runwell | Weekly |
| Sandon | Weekly |
| Springfield | Weekly |
| Stock | Weekly |
| Great Waltham | |
| (a) Village area | Weekly |
| (b) Remainder of parish | Fortnightly |
| Little Waltham | |
| (a) Village area | Weekly |
| (b) Remainder of parish | Fortnightly |
| Woodham Ferrers | Weekly* |
| Writtle | Weekly* |

*A few properties in these parishes are collected fortnightly.

Details of Transport

| Fleet No. | Type | Capacity cu. yds. | Date purchased | Mileage 1969 |
|-----------|---|-------------------|----------------|--------------|
| 12 | Shelvoke and Drewry Fore-and-Aft Tipper | 16/18 | 1958 | 5,626 |
| 13* | Shelvoke and Drewry Fore-and-Aft Tipper | 16/18 | 1958 | 4,218 |
| 14* | Shelvoke and Drewry Side Loader | 11 | 1959 | - |
| 15* | Shelvoke and Drewry Side Loader | 11 | 1959 | 3,800 |
| 16 | Shelvoke and Drewry Fore-and-Aft Tipper | 12/14 | 1960 | 7,489 |
| 17* | Ford Eagle Body Side Loader (Petrol) | 3 | 1961 | 2,617 |
| 18 | Shelvoke and Drewry Fore-and-Aft Tipper | 16/18 | 1962 | 7,948 |
| 19 | Shelvoke and Drewry Fore-and-Aft Tipper (Bulk Loader) | 16/18 | 1962 | 7,311 |
| 20 | Bedford 15 cwt. Truck (Petrol) | - | 1963 | 7,895 |
| 21 | Shelvoke and Drewry Fore-and-Aft Tipper (Bulk Loader Power Press) | 25 | 1963 | 7,392 |
| 22 | Shelvoke and Drewry Fore-and-Aft Tipper (Power Press) | 25 | 1964 | 6,587 |
| 23 | Shelvoke and Drewry Fore-and-Aft Tipper (Power Press) | 25 | 1964 | 9,613 |
| 24 | Bedford 15 cwt. Truck (Petrol) | - | 1965 | 12,704 |
| 25 | Shelvoke and Drewry Pakamatic | 35 | 1965 | 5,008 |
| 26 | Shelvoke and Drewry Pakamatic | 35 | 1966 | 4,980 |
| 28 | Shelvoke and Drewry Pakamatic | 35 | 1967 | 8,678 |
| 29 | Shelvoke and Drewry Fore-and-Aft Tipper (Bulk Loader Power Press) | 25 | 1968 | 9,086 |
| 30 | Shelvoke and Drewry Pakamatic | 35 | 1968 | 6,945 |
| 31 | Shelvoke and Drewry Pakamatic | 35 | 1968 | 9,039 |
| 32 | Shelvoke and Drewry Pakamatic | 35 | 1968 | 9,547 |
| 33 | B.M.C. Eagle Body Side Loader | 7 | 1968 | 13,043 |
| 34+ | B.M.C. Pick-up Truck (Petrol) | - | 1969 | - |
| 35+ | Shelvoke and Drewry Pakamatic | 35 | 1969 | 3,177 |
| 36+ | Shelvoke and Drewry Pakamatic | 35 | 1969 | 2,624 |
| 37+ | Shelvoke and Drewry Pakamatic | 35 | 1969 | 3,880 |

* Taken out of service during 1969.

+ Brought into service during 1969

TOTAL 162,973

Nightsoil Collection

A weekly collection of nightsoil from premises in specified areas in the parishes of Rettendon and Woodham Ferrers is carried out by a private contractor, Mr. G. Barker of Steeple.

Cesspool Emptying Service

This service came into operation on the 18th February, 1963, and by the end of 1969, 3,094 applications had been received.

The scheme is carried out by contract by Messrs. Purle Waste Disposal (Eastern) Ltd., of Rayleigh. The charges at the end of the year were 70/- for the first 1,250 gallon load and 40/- for each additional load or part thereof. These charges are for the emptying of the cesspool only and do not include any charge for the cleansing of any choked or blocked drain, trap or inspection chamber or for the digging out of sludge. The charges for such additional work are negotiated direct with the contractors.

PETROLEUM (REGULATION) ACTS, 1928 & 1936.

The programme of tests to all petroleum storage tanks which are more than twenty years old and situated at private premises was completed as planned, and this means that, over the past two years, all the petroleum storage tanks in the District more than twenty years old, both at filling stations and private premises, have been tested.

There were no incidents involving petroleum spirit reported during the past year, although one licensee suspected an accumulative loss of several thousand gallons. Exhaustive tests over a period of many weeks to all the equipment concerned showed there was no leakage.

| Table I | 1967 | 1968 | 1969 |
|--|------|------|------|
| Pressure tests on new tanks | 25 | 10 | 10 |
| Pressure tests on old tanks | - | 19 | 3 |
| Ullage tests on old tanks | 1 | 3 | 28 |
| Incidents | 2 | 2 | - |
| General inspections | - | - | 46 |
| Number of visits for all purposes | 80 | 132 | 211 |
| Number of licences granted during the year | 186 | 178 | 170 |

Table II

Results of tests carried out on petroleum tanks more than twenty years old situated at private premises:

| | | | |
|------------------------------|----|-------------|----|
| Number of tanks 20 years old | 7 | Passed test | 6 |
| Number of tanks 30 years old | 19 | Passed test | 19 |
| Number of tanks 40 years old | 3 | Passed test | 3 |
| | 29 | | 28 |

In addition to the one tank which failed the test there were twelve other tanks more than 20 years old, situated at both private premises and filling stations, which were taken out of use and have been or are to be rendered safe in accordance with the statutory requirements.

At the end of 1969, there were thirty-two licensed petroleum installations having a total of thirty-eight tanks which are more than twenty years old.

